

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A ~~[[M]]~~method of recovering information in an interactive digital television system, in which information from a transmission centre is transported in a data stream to at least one terminal device in which one or more applications are running, the method comprising:
 - ~~a step of~~ loading and storing the information in a cache memory provided in the terminal device, wherein the information is service information corresponding to the one or more applications;
 - ~~a step of~~ receiving from the at least one application a request to recover the information;
 - ~~a step of~~ recovering of the information from an information carrier containing the information and provision of the duly recovered information to the at least one application sending the request; and
 - ~~[[of]]~~ searching for the information, according to at least one predefined selection criterion used to define a type of search performed, in at least one of the information carriers formed by the data stream, and the cache memory.
2. (Currently Amended) The method as claimed in claim 1, wherein the search step carried out in the at least one terminal device of searching for the information comprises ~~the sub-step of:~~ searching for the information in the cache memory.
3. (Currently Amended) The method as claimed in claim 1, wherein the search step carried out in the at least one terminal device of searching for the information comprises ~~the sub-step of:~~ searching for the information in the data stream.
4. (Currently Amended) The method as claimed in claim 1, wherein the search step carried out in the at least one terminal device of searching for the information comprises ~~the following sub-step of:~~ searching for the information in the cache memory after an unsuccessful search in the data stream.
5. (Currently Amended) The method as claimed in claim 1, wherein the search step carried out in the at least one terminal device of searching for the information comprises ~~the sub-step of:~~

searching for the information in the data stream after an unsuccessful search in the cache memory.

6. (Original) The method as claimed in claim 1, wherein the information is encapsulated in at least one MPEG table identified by a respective table identifier.
7. (Currently Amended) The method as claimed in claim 6, wherein the search step comprises ~~the sub-step of~~ searching for the MPEG table from its respective table identifier whereas the recovery step comprises the sub-step of recovering the information from the duly identified MPEG table.
8. (Currently Amended) The method as claimed in claim 1, further comprising ~~the step of~~ defining at least one the selection criterion by the application.
9. (Currently Amended) The method as claimed in claim 1, further comprising ~~the step of~~ defining at least one the selection criterion by an intermediate software layer and/or a hardware layer of the terminal device.
10. (Currently Amended) The method as claimed in claim 1, further comprising ~~the step of~~ defining at least one the selection criterion by the interactive digital television system.
11. (Currently Amended) The method as claimed in claim 6, further comprising ~~the step of~~ storing the information and/or MPEG tables in the cache memory according to a structural organization similar to that of the information and/or MPEG tables in the data stream.
12. (Currently Amended) The method as claimed in claim 1, further comprising ~~the step of~~ formatting the recovered information before supplying the latter to the at least one application sending the request.
13. (Currently Amended) An ~~[[I]]~~ information recovery device in an interactive digital television system in which information originating from a transmission centre is transported in a data stream to at least one terminal device in which one or more applications are running, wherein the terminal device ~~[[being]] comprises equipped with:~~
an information cache memory~~[[,]]~~;

means for loading the information into the information cache memory, wherein the information is service information corresponding to the one or more applications;

means for receiving a request sent by at least one the application to recover the information;

means for recovering the information from an information carrier containing the information and supplying the duly recovered information to the at least one application sending the request; and

means for searching, according to at least one predefined selection criterion, for the information in at least one of the information carriers formed by the data stream and the information cache memory.

14. (Currently Amended) The device as claimed in claim 13, wherein the search means comprise first additional means for searching for the information in the cache memory.
15. (Original) The device as claimed in claim 13, wherein the search means comprise second additional means for searching for the information in the data stream.
16. (Currently Amended) The device as claimed in claim 1[[3]]5, wherein the search means comprise third additional means for searching for the information in the cache memory after an unsuccessful search in the data stream.
17. (Currently Amended) The device as claimed in claim 1[[3]]6, wherein the search means comprise fourth additional means for searching for the information in the data stream after an unsuccessful search in the cache memory.
18. (Currently Amended) The device as claimed in claim 1[[3]]7, wherein the information is encapsulated in at least one MPEG table identified by a respective table identifier.
19. (Original) The device as claimed in claim 18, wherein the search means comprise fifth additional means for searching for the MPEG table from its respective table identifier whereas the recovery means comprise additional means for recovering the information from the duly identified MPEG table.
20. (Original) The device as claimed in claim 13, further comprising first means for defining at least one the selection criterion by the application.

21. (Currently Amended) The device as claimed in claim ~~[[13]]~~20, further comprising second means for defining at least one the selection criterion by an intermediate software layer and/or a hardware layer of the terminal device.
22. (Currently Amended) The device as claimed in claim ~~[[13]]~~21, further comprising third means for defining at least one the selection criterion by the interactive digital television system.
23. (Original) The device as claimed in claim 13, wherein the cache memory comprises additional means for storing the information and/or MPEG tables according to a structural organization similar to that of the information and/or MPEG tables in the data stream.
24. (Original) The device as claimed in claim 13, further comprising means for formatting the recovered information before supplying it to the at least one application sending the request.
25. (Currently Amended) A~~[[R]]~~ receiver/decoder device in an interactive digital television system, comprising means suited to implementation of the information recovery method according to claim 1.
26. (Currently Amended) A~~[[R]]~~ receiver/decoder device in an interactive digital television system, comprising an information recovery device according to claim 13.
27. (Currently Amended) A ~~[[T]]~~ terminal device in an interactive digital television system, comprising a receiver/decoder device according to claim 25.
28. (Currently Amended) An~~[[I]]~~ interactive digital television system, comprising at least one receiver/decoder device according to claim 25.
29. (Currently Amended) An~~[[I]]~~ interactive digital television system, comprising at least one terminal device according to claim 27.
30. (Currently Amended) A ~~[[T]]~~ terminal device in an interactive digital television system, comprising a receiver/decoder device according to claim 26.
31. (Currently Amended) An ~~[[I]]~~ interactive digital television system, comprising at least one receiver/decoder device according to claim 26.